BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS TO ROADS AND DRAINS AT BANGLA SCHOOL OPPOSITE ROAD JAGADISH HOUSE ROAD AND SURROUNDING AREAS IN WARD NO.01 OF YELAHANKA SUB DIVISION

								Estimate Cost Rs.	10.00	Lakhs
Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.		Rate	Amount
1	KSRRB M200-24:- dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces no exceeding 0.02 Cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials separately complete as per specifications. MORTH specifications. No. 202, (P.No. 138/ Item No. 18.47)									
	for Road	Cum								
	Opp to Bangla School		1	45.00	2.00	0.20	18.00			
	Cross Roads		1	30.00	1.30	0.20	7.80			
			1	40.00	2.50	0.20	20.00			
	Cross Roads of down bazar road		1	50.00	5.00	0.20	50.00			
					Total Qty		**95.80**		918.92	**88032.98**
	Basic Rate	781.00								
	AD-HOC 11%	85.91								
	Sub-Total	866.91								
	Area Weightage @ 6%	52.01								
	Total	**918.92**								
2	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)KPWD S.R 2016-17									
	for Road	Cum								
	Opp to Bangla School		1	45.00	2.00	0.10	9.00			
	Cross Roads		1	30.00	1.30	0.15	5.85			
			1	40.00	2.50	0.15	15.00			
	Cross Roads of down bazar road		1	50.00	5.00	0.15	37.50			
					Total Qty		**67.35**		184.73	**12441.31**
	Basic Rate	157.00								
	AD-HOC 11%	17.27								
	Sub-Total	174.27								
	Area Weightage @ 6%	10.46								
	Total	**184.73**								
3	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)									
		Cum								
				Qty Vide Item No.1+2			**163.15**		111.00	**18109.65**
	Average Weight of Earth 1.28 Tonne/Km									

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
Basic Rate Lead Charges for 0.00 Kms (2.50X1.28X10.00)	32.00							
Add loading and unloading Item No 17.1)	68.00							
Sub-Total	100.00							
AD-HOC 11%	11.00							
Total	**111.00**							
4 KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
for Road	Cum	1	45.00	2.00	0.15	13.50		
Opp to Bangla School		1	30.00	1.30	0.15	5.85		
Cross Roads		1	40.00	2.50	0.15	15.00		
Cross Roads of down bazar road		1	50.00	5.00	0.15	37.50		
				Total Qty		**71.85**	5726.51	**411449.90**
Basic Rate	4867.00							
AD-HOC 11%	535.37							
Sub-Total	5402.37							
Area Weightage @ 6%	324.14							
Total	**5726.51**							
KSRRB M600-6. Cement concrete pavement. Construction Un- reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and size graded granite metal , coarse and fine aggregate with superplastisiser @ 3lts conforming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grades as per drawing complete as per specifications.(P.No.174 / It.No.22.6.2)								
for Road	Cum	1	45.00	2.00	0.125	11.25		
Opp to Bangla School		1	30.00	1.30	0.125	4.88		
Cross Roads		1	40.00	2.50	0.125	12.50		
Cross Roads of down bazar road		1	50.00	5.00	0.125	31.25		
				Total Qty		**59.88**	6901.94	**413253.39**
Basic Rate	5866.00							
AD-HOC 11%	645.26							
Sub-Total	6511.26							
Area Weightage @ 6%	390.68							
Total	**6901.94**							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
6	**Vaccum De-watering** with vaccum pump and suction mat and compaction with Skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift (P.177/ I.22.7)								
	for Road	Sqm							
	Opp to Bangla School		1	45.00	2.00		90.00		
	Cross Roads		1	30.00	1.30		39.00		
			1	40.00	2.50		100.00		
	Cross Roads of down bazar road		1	50.00	5.00		250.00		
							479.00	**105.89**	**50723.23**
	Basic Rate	90.00							
	AD-HOC 11%	9.90							
	Sub-Total	99.90							
	Area Weightage @ 6%	5.99							
	Total	**105.89**							
7	Providing Groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine generator and HOM of machinery including cost of blade, coolant etc., including cleaning aof groove & providing sand and hot bitumen fillars and filler metal etc.,including cost of conveyance of all materials, labour,lead and lift charges and all the other incidental charges as per drawing and as per specifications, MORTH specification. (P.178/ I.22.8)								
		m							
			Rupees	avg					
			7	5.00			35.00		
			Under				**35.00**	135.31	**4735.82**
	Basic Rate	115.00							
	AD-HOC 11%	12.65							
	Sub-Total	127.65							
	Area Weightage @ 6%	7.66							
	Total	**135.31**							
8	Miscellaneous and unforeseen charges	LS							**1254.00**
							Grand Total Amount		**1000000.00**

(Rupees Ten Lakhs Only)

Administrative Sanction for Rs. 10.00 lacs
Ten Lacs only
Rs. 10.00 lacs
is accorded under
No. EE/No.1/17-18
Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 10.00 lacs
Rupees Ten Lacs only
Under Rs. 10.00 lacs
No. EE/TS/17-18
Executive Engineer

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.
5) This work is not repeated in any other programs or Grants

Assistant Engineer
Ward No.01

Executive Engineer
Yelahanka Division
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

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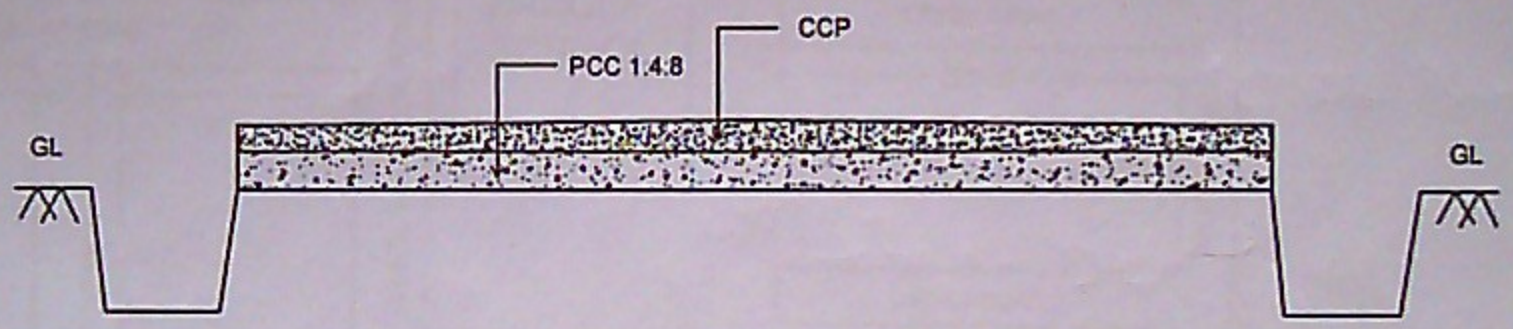
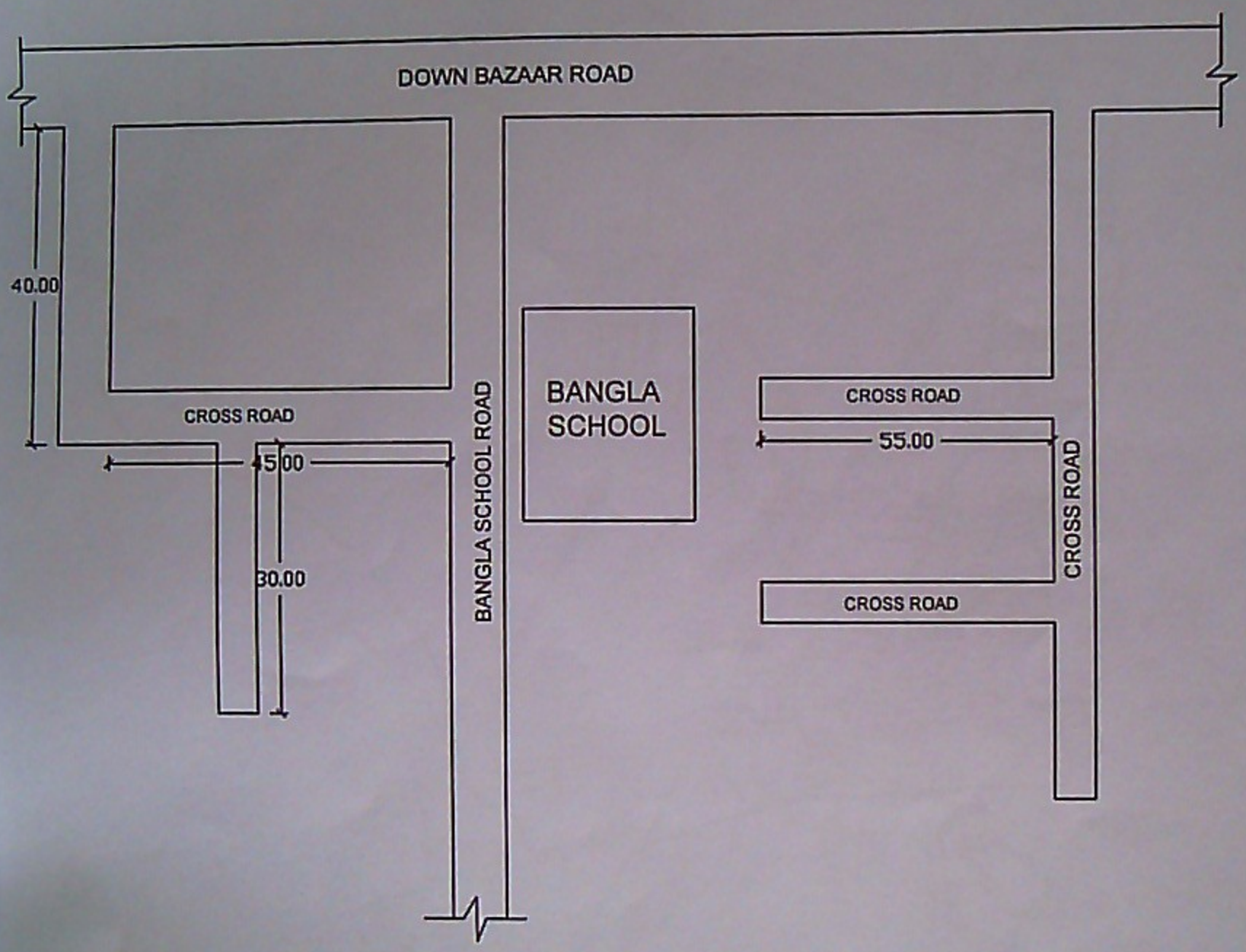


TYPICAL CROSS SECTION OF CC ROAD

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

NAME OF WORK: IMPROVEMENTS TO ROADS AND DRAINS AT BANGLA SCHOOL OPPOSITE ROAD JAGADISH HOUSE ROAD AND SURROUNDING AREAS IN WARD NO.01 OF YELAHANKA SUB DIVISION

KEY : NOT TO SCALE



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▭ – CC ROAD

Assistant Engineer
Ward No.01
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

YELAHANKA ZONE
WARD 1-KEMPEGOWDA WARD

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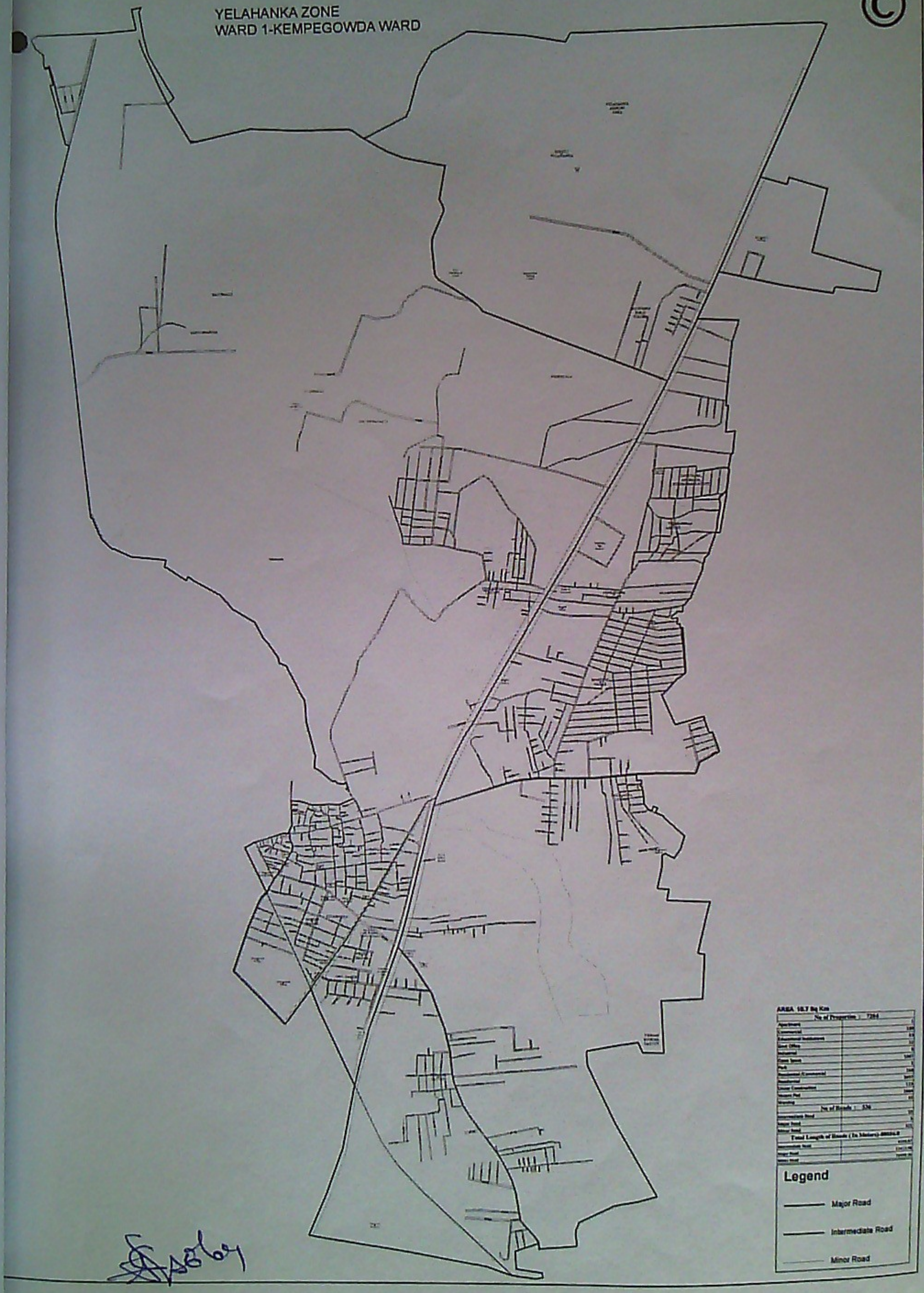

AREA 10.7 Sq Km
No of Properties : 7284

Apartments	0
Commercial	3389
Educational Institutions	61
Govt. Offices	6
Industrial	0
Open Space	5361
Park	0
Residential Commercial	1548
Residential	3677
Telecom Communication	114
Vacant Plot	3384
Worship	44

No of Roads : 536

Intermediate Road	101
Major Road	9
Minor Road	426

Total Length of Roads (In Meters)-

Intermediate Road	41015.67
Major Road	21411.46
Minor Road	74446.46

Legend

- Major Road
- Intermediate Road
- Minor Road